STEM Career Clusters, PLTW CIP and Course Codes

Health Sciences (*Cluster 8*)	Technology & Engineering (*Cluster 15*)	
Biomedical Pathway (*Strand*) CIP = 51.0001	**Technology Pathway** (*Strand*) CIP = 21.0105 (new FY 2017)	**Engineering Pathway** (*Strand*) CIP = 21.0104
Core Courses	*Core Courses*	*Core Courses*
070411 – Principles of Biomedical (PBS) 070412 – Human Body Systems (HBS) 070413 – Medical Intervention (MI) 070414 – Biomedical Innovations (BI)	100416 – *Computer Science Essentials (new FY 2018)* 100415 – Computer Science and Software Engineering (Computer Science Principles) (CSP) 100432 – Computer Science (CSA) 100434 – *Cyber Security (New FY 18)* (CS)	100404 - Principles of Engineering (POE) 100405 - Introduction to Engineering Design (IED) 100406 - Digital Electronics (DE) 100407 - Computer Integrated Manufacturing (CIM) 100408 - Civil Engineering and Architecture (CEA) 100409 - Biomedical Engineering (BE) (Environmental Sustainability) 100410 - Aerospace Engineering (AE) 100422 - Engineering Design & Development (EDD) 100433 – Environmental Sustainability (ES) 100435 – Engineering Essentials (*New FY 21*) (EE)
		Elective Courses
		100415 – Computer Science Principles (CSP)
Launch PLTW Elementary (Grades 3-5)	Course Code = 100402 No CIP	
Gateway PLTW Middle School (Grades 6-8)	Course Code = 100403 No CIP	

*Courses are not in sequential order; school districts determine offerings and sequence.

All courses/programs include classroom/laboratory instruction and leadership training through the appropriate Career and Technical Student Organization (CTSO).